

Landscape Maintenance Reduction – Summer Internship



Donna Krell


Location: South Treatment Plant



Landscape Maintenance Reduction Project

- ◆ The purpose of this project is to reduce the amount of maintenance for the gardeners at future WTD locations.

List of Items we are looking into:

- ◆ Integrated Pest Management
 - ◆ Native Plants
 - ◆ Plant Spacing
 - ◆ The use of chemicals??
 - ◆ Etc..
- 
- A stylized silhouette of a mountain range in a darker shade of teal, located at the bottom right of the slide.

The Obstacle Course



Lawn Mower

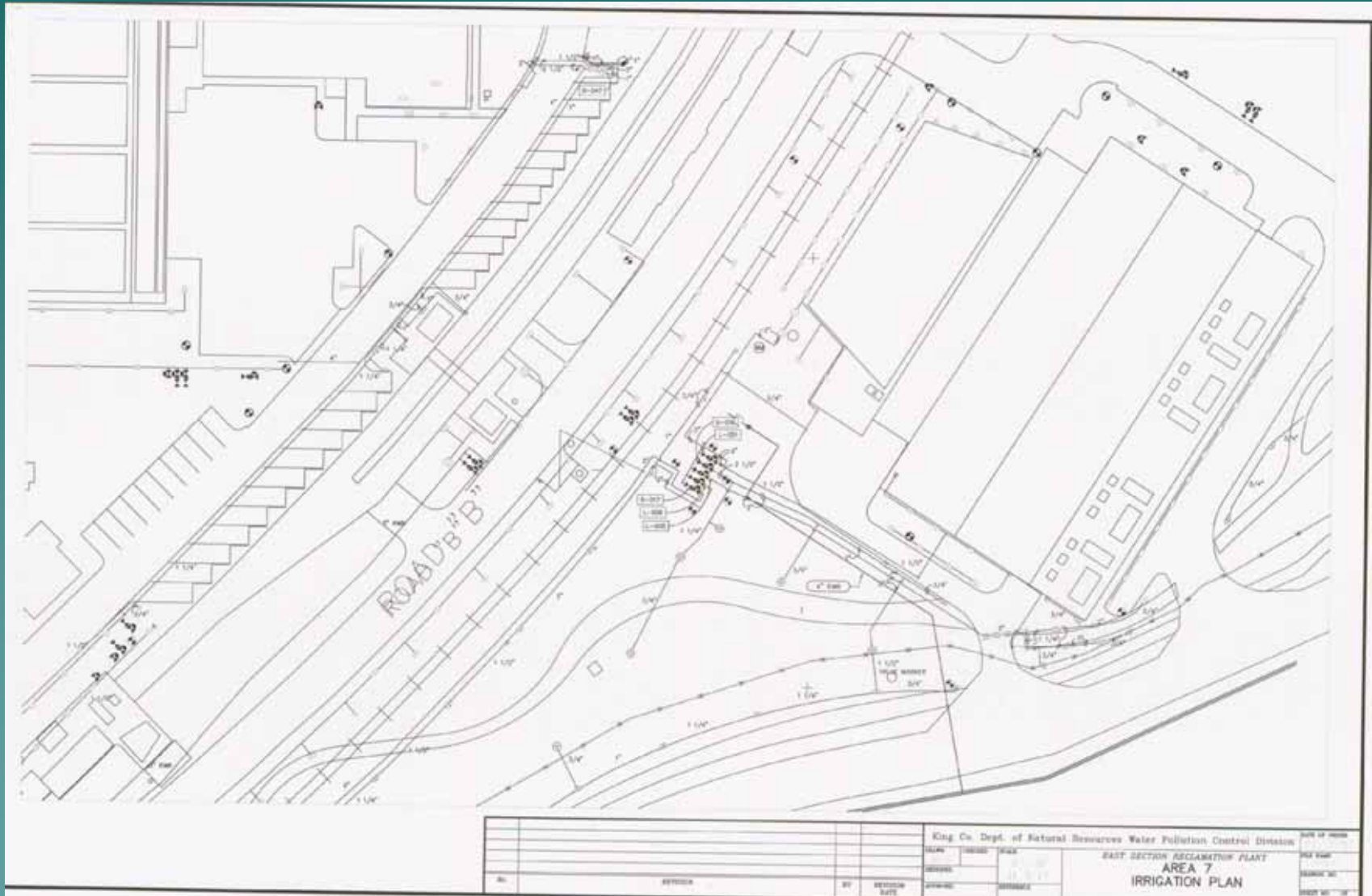


(94 ACRES!!!!!!)

Irrigation As-Builts

- ◆ Redo to the Irrigation As-Builts to reflect the last 20 years of modifications made to the entire treatment plant.

Start with the most current plans of the irrigation system:



Tools



The Gator



Sprinkler Controllers

If the Controllers don't work then...



Metal tools made for the valve boxes



Valve Box with tools to manually turn on the water

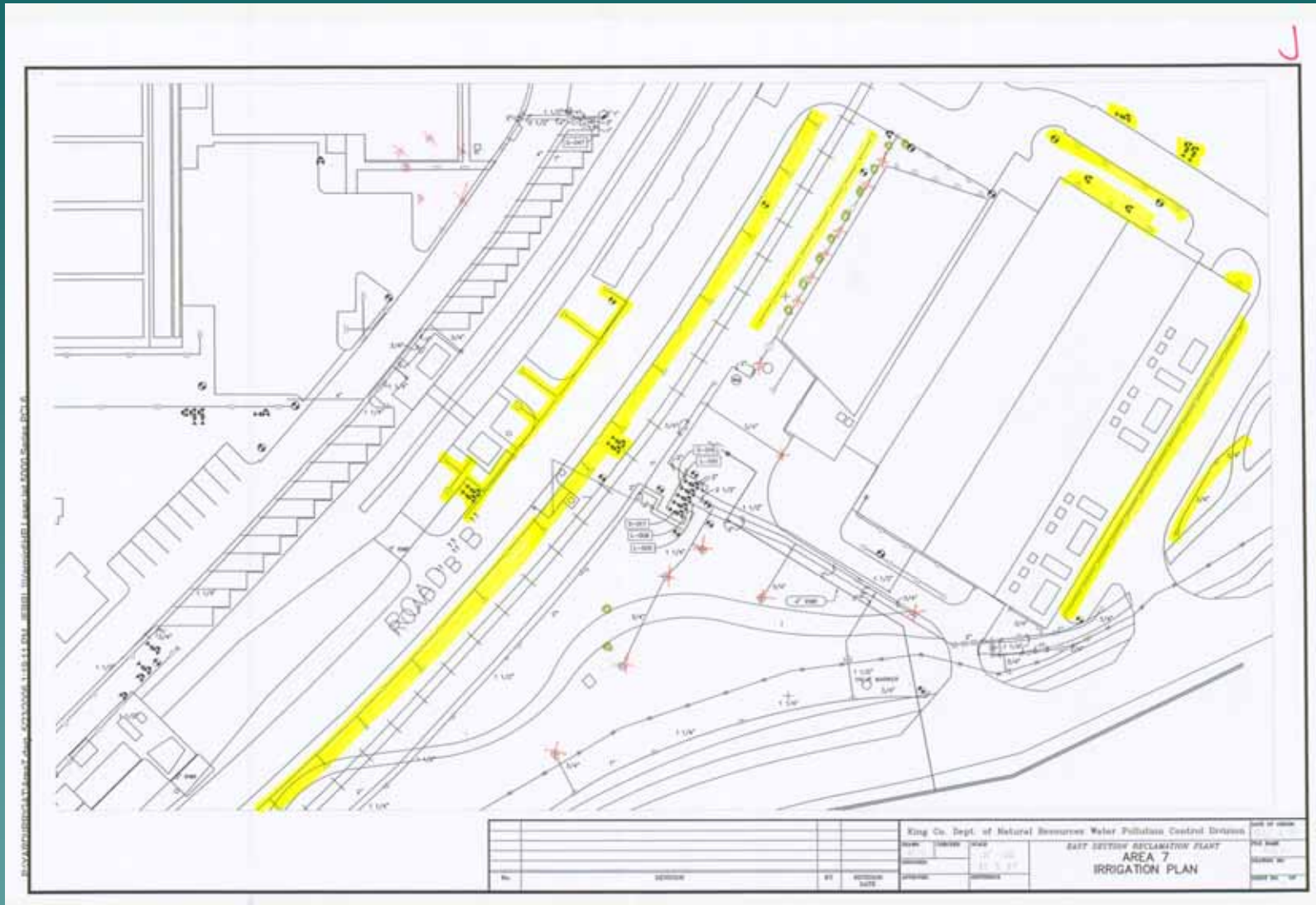


Good Sprinklers



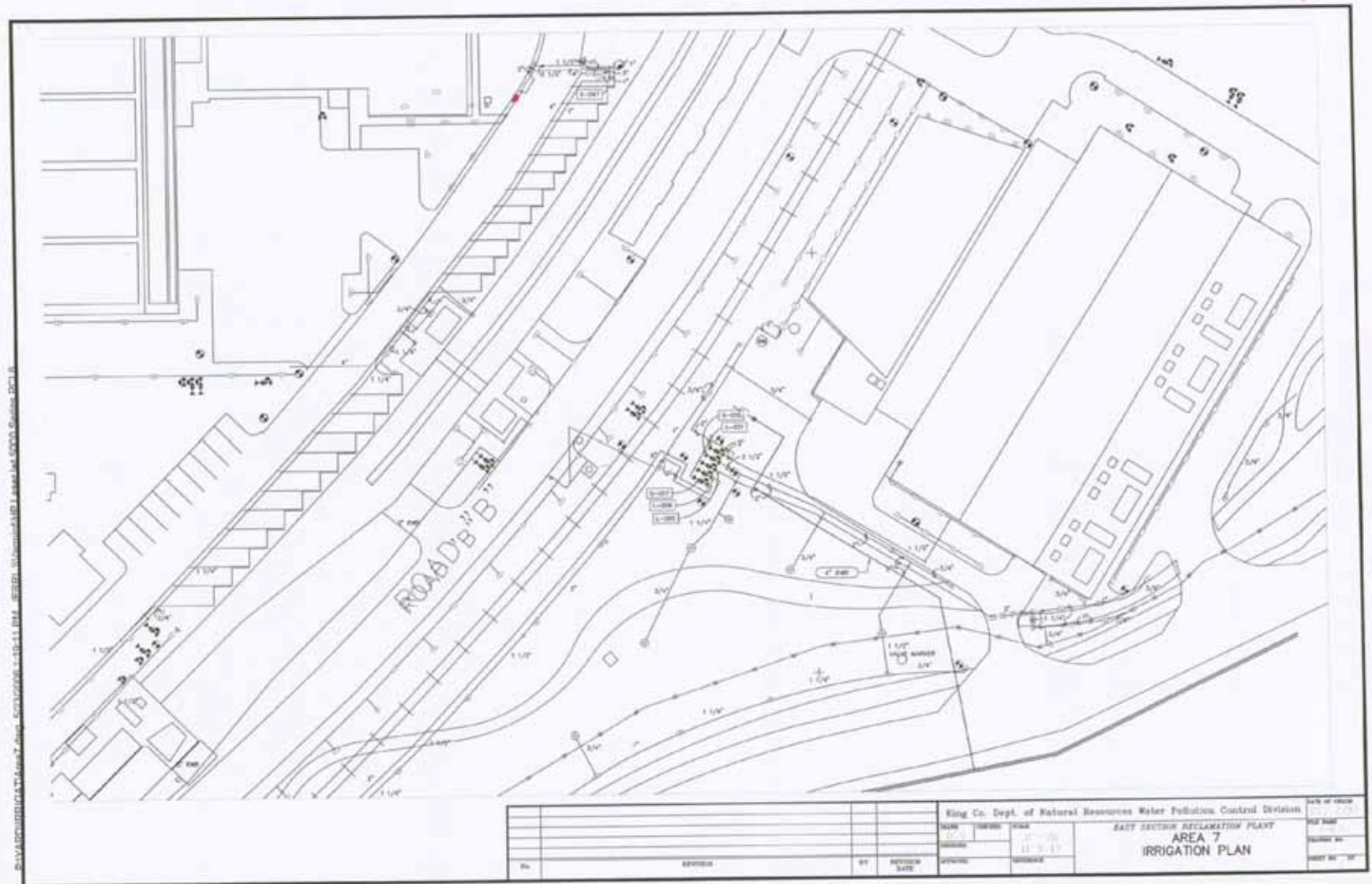
Bad Sprinkler

Revisions to As-Builts



Key: **Red X** = No Sprinkler, **Green Circle** = Added Sprinkler, **Yellow Line** = Abandoned Sprinkler Line

Broken Sprinkler Heads

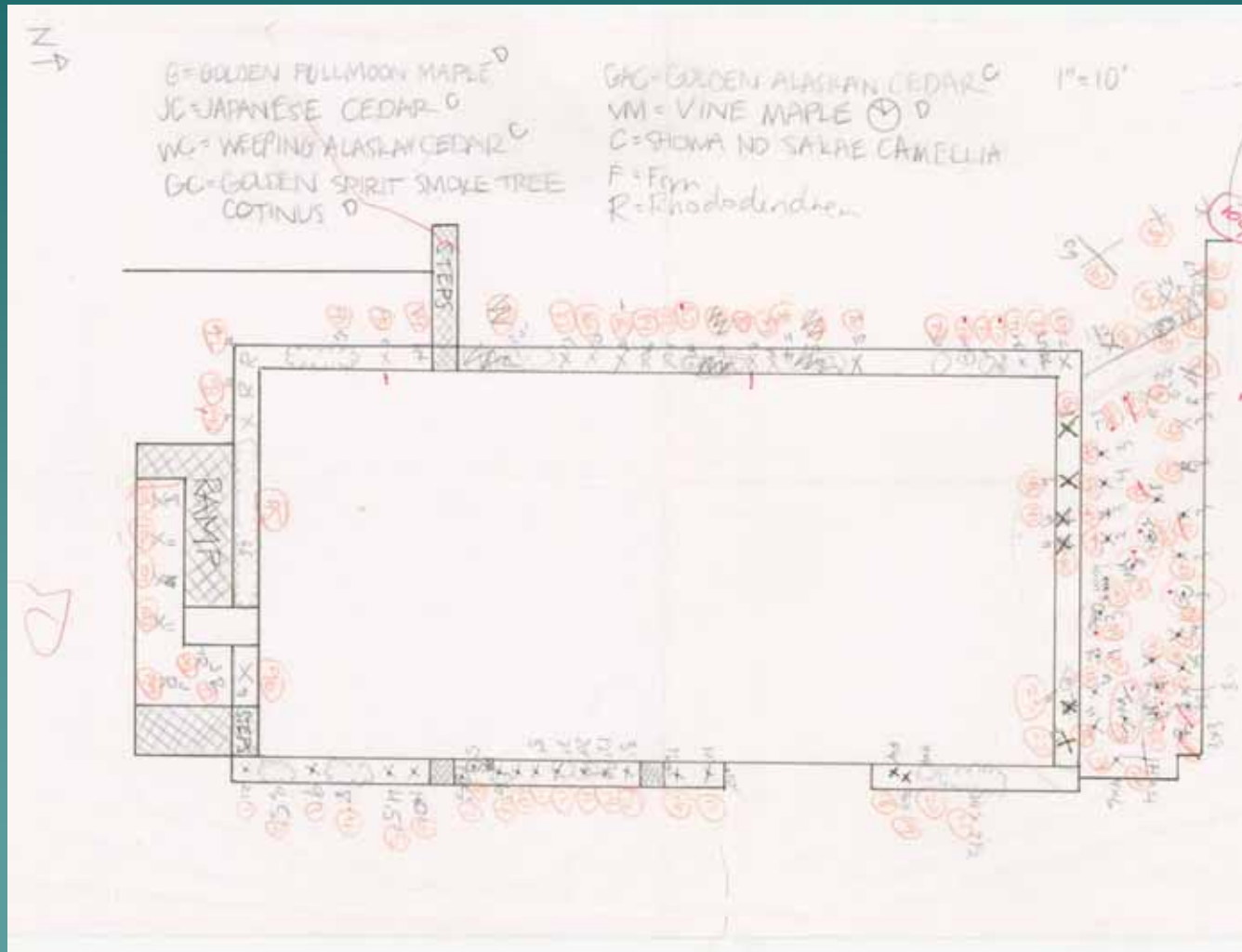


Key: **Red Circle** = Broken Sprinkler Head

Inventory of Plant Material around Admin Building



Numbered Plants Around Building



Corylus Cornuta

- | | |
|----|---|
| 35 | Garnet Japanese Maple
<i>Acer palmatum</i> garnet |
| 36 | Golden Alaska Cedar
<i>Chamaecyparis nootkatensis</i> |
| 37 | Golden Alaska Cedar
<i>Chamaecyparis nootkatensis</i> |
| 38 | Oregon Grape
<i>Mahonia Aquifolium</i> |
| 39 | Vine Maple
<i>Acer circinatum</i> |
| 40 | Golden Spirit Smoke Tree
<i>Cotinus coggygia</i> |
| 41 | Vine Maple
<i>Acer circinatum</i> |
| 42 | Weeping Alaska Cedar
<i>Chamaecyparis nootkatensis</i> |
| 43 | Vine Maple
<i>Acer circinatum</i> |
| 44 | Rhododendron |
| 45 | Rhododendron |
| 46 | Canadian Hemlock
<i>Tsuga canadensis</i> |
| 47 | Canadian Hemlock
<i>Tsuga canadensis</i> |
| 48 | Rhododendron |
| 49 | Big Leaf Hydrangea
<i>Hydrangea macrophylla</i> |
| 50 | Vine Maple
<i>Acer circinatum</i> |
| 51 | Rhododendron |

List of Plants by Number for Identification

Salvaging Plants around Admin Building



Other gardening duties throughout the summer:



Waterworks Garden







The End